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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 1671G

Operating System Storage: internal HDD plus floppy Application: microprocessor and FPGA timing/state analysis User Interface: graphical trigger setup with plain-language descriptions Documentation: Agilent 1671G standalone logic analyzer product literature Application: microprocessor and FPGA timing/state analysis User Interface: graphical trigger setup with plain-language descriptions Documentation: Agilent 1671G standalone logic analyzer product literature Pod Options: TTL/CMOS/ECL/LVDS/PECL data and clock pods listed as 013-052 class accessories



MODEL

**Agilent / Keysight
1671G**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

1671G

LISTING

<https://aumictechlabs.com/products/1671g-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 1671G is a portable logic analyzer delivering 102 channels of state and timing analysis for digital system debugging and verification. With configurable memory depths up to 2M per channel, integrated triggering, and dual-interface oscilloscope and pattern generator options, it supports complex signal capture and analysis in the lab or field. Technical Specifications Logic Analysis 102 channels State analysis speed: 150 MHz Timing analysis speed: 500 MHz Standard memory: 64K per channel; upgradeable to 256K or 2M per channel Display & Storage VGA color flat-panel display 2 GB hard drive; 1.44 MB DOS floppy drive Input Specifications Maximum safe input voltage: ± 250 V (1 M Ω impedance); 5 Vrms (50 Ω impedance) Vertical sensitivity: 16 mV to 40 V full scale Vertical gain accuracy: $\pm 1.25\%$ of full scale Bandwidth: DC to 50 MHz (-40 dB); 50

MHz to 500 MHz (–30 dB) Environmental Operating temperature: 0°C to 55°C Operating humidity: Up to 80% RH at +40°C Maximum altitude: 4,572 m Physical Dimensions: 22 × 15 × 12 in Weight: 24 lbsKey Features 23 predefined trigger functions with graphical and plain-language representations Mouse and front-panel operation; optional PC-style keyboard support ASCII data export; PCX, TIFF, and EPS screenshot formats RS-232 and GPIB programmability Ethernet connectivity (Ethertwist/ThinLAN) for X-Windows remote operation and FTP/NFS data transfer Centronics printer portOptional Capabilities Oscilloscope (Option 003): 2 channels, 500 MHz bandwidth, 2 GSa/s, 32K memory Pattern Generator (Option 004): 32 channels, 100M vector/sec, 256K vector memory Probing Pods: 2.5 V and 3.3 V clock and data pod setsCompatibility & Integration The 1671G integrates with Agilent/Keysight logic analysis systems and probing solutions. Network connectivity enables remote operation and centralized data management across distributed test environments.

1671G Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Standalone logic analyzer
Series Family	Agilent 1670G
Logic Channels	102
State Speed	150 MHz
Timing Speed	500 MHz
Standard Memory	64K
Hard Drive	2 GB
Floppy	1.44 MB DOS
Display	VGA resolution color flat panel
Remote	HP-IB, RS-232, LAN (FTP/NFS class)
Trigger Macros	23 predefined trigger functions
Weight	24 lb
Form Factor	22 × 15 × 12 in class listing
Sibling 1670G	136 channels in the sameGseries
Operating System Storage	internal HDD plus floppy
Application	microprocessor and FPGA timing/state analysis
User Interface	graphical trigger setup with plain-language descriptions
Documentation	Agilent 1671G standalone logic analyzer product literature
Pod Options	TTL/CMOS/ECL/LVDS/PECL data and clock pods listed as 013-052 class accessories

1671G Specifications

PARAMETER	VALUE
Applications	Deep-memory state/timing debug of 32/64-bit processors and buses; optional analog and stimulus.
Key Features	102 logic channels
Technical Specifications	Instrument Type: Standalone logic analyzer

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Specifications	
PARAMETER	VALUE
Instrument Type	Standalone logic analyzer
Series Family	Agilent 1670G
Logic Channels	102
State Speed	150 MHz
Timing Speed	500 MHz
Standard Memory	64K
Option 001 Memory: 256K	
Option 002 Memory: 2M	
Option 003 Oscilloscope: 2 channel, 500 MHz, 2 GSa/s, 32K memory	
Option 004 Pattern Generator: 32 channel, 100 Mvector/s, 256K vector deep	
Specifications	
PARAMETER	VALUE
Hard Drive	2 GB
Floppy	1.44 MB DOS
Display	VGA resolution color flat panel
Remote	HP-IB, RS-232, LAN (FTP/NFS class)
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Notes	
Numeric rows from Agilent/Keysight 1671G standalone logic analyzer product summaries (102 ch, 150/500 MHz,	

64K/256K/2M, Option 003/004). Confirm installed memory and scope options on the configuration label.

Ordering Information

OPTION	DESCRIPTION
Option 001	Memory: 256K
Option 002	Memory: 2M
Option 003	Oscilloscope: 2 channel, 500 MHz, 2 GSa/s, 32K memory
Option 004	Pattern Generator: 32 channel, 100 Mvector/s, 256K vector deep

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.